AST Phoenix Digital Series FTD Plan View

Simulator In Use Light

15' 10"

10' 2"

11' 10"

7' 8"

5' 10"

5' 3 1/2"

4'

Removable Nose Panels

Instructor CRT

Flight CRT Plotter

3

2

1

4

Fire Wall

2' 1/4"

Keyboard

Printer

19"

7' 8"

6' 7"

Computer Racks

Instrument Panel

9"

16"c

Elevator and Aileron Digital Control Loading System

12"

10"

Rudder Controls with Digital Control Loading System

Speakers with Audio induced Reverberation Generators

33" High x 12 Deep Work Station

AST Phoenix Digital Series FTD
CRT Visual Image System

35" CRT

35" CRT

35" CRT

35" CRT

35" CRT

35" CRT

30°

60°

90°

180°

4'

8'

10'

**Options for Visuals
1 to 6 Monitors**

Observer

Instructor

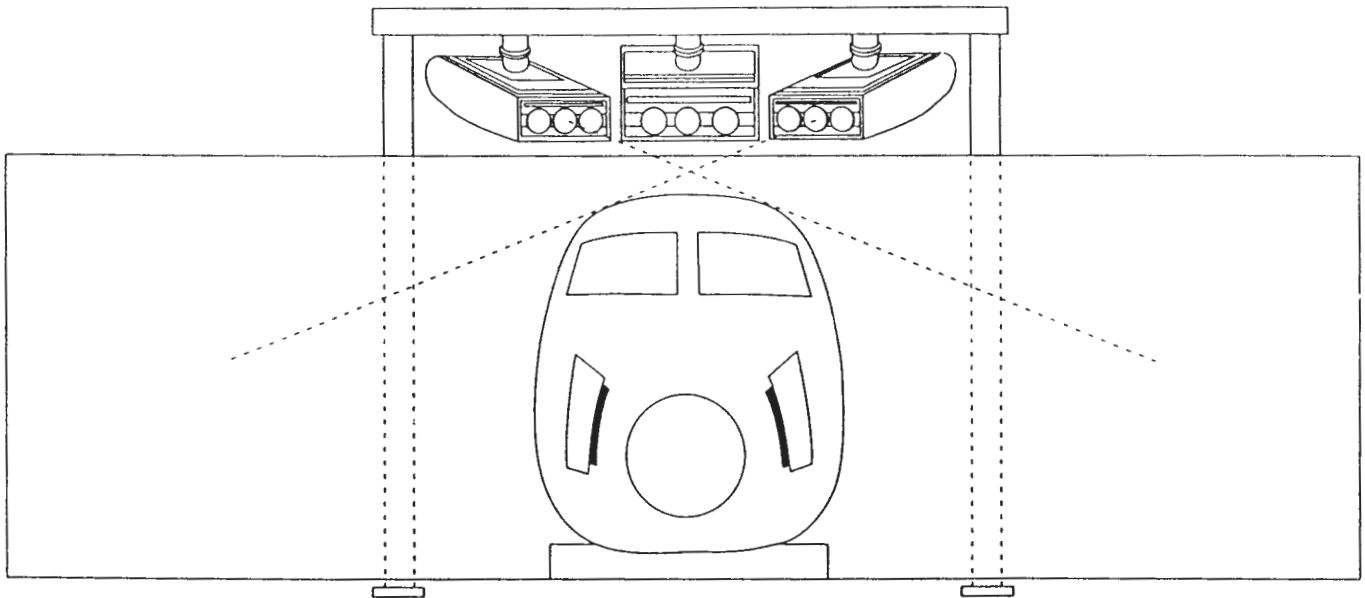**Instructor
CRT**

**Flight CRT
Plotter**

Printer

AST Phoenix Digital Series FTD Plan View

Removable Nose Panels

35" CRT

35" CRT

35" CRT

35" CRT

35" CRT

35" CRT

8'

10'

7' 6"

5' 2"

4'

Instructor CRT

Instructor

Flight CRT Plotter

Flight Navigation and Visual Computer

Observer

Computer Access Doors

Simulator Security And Entrance Door

Printer
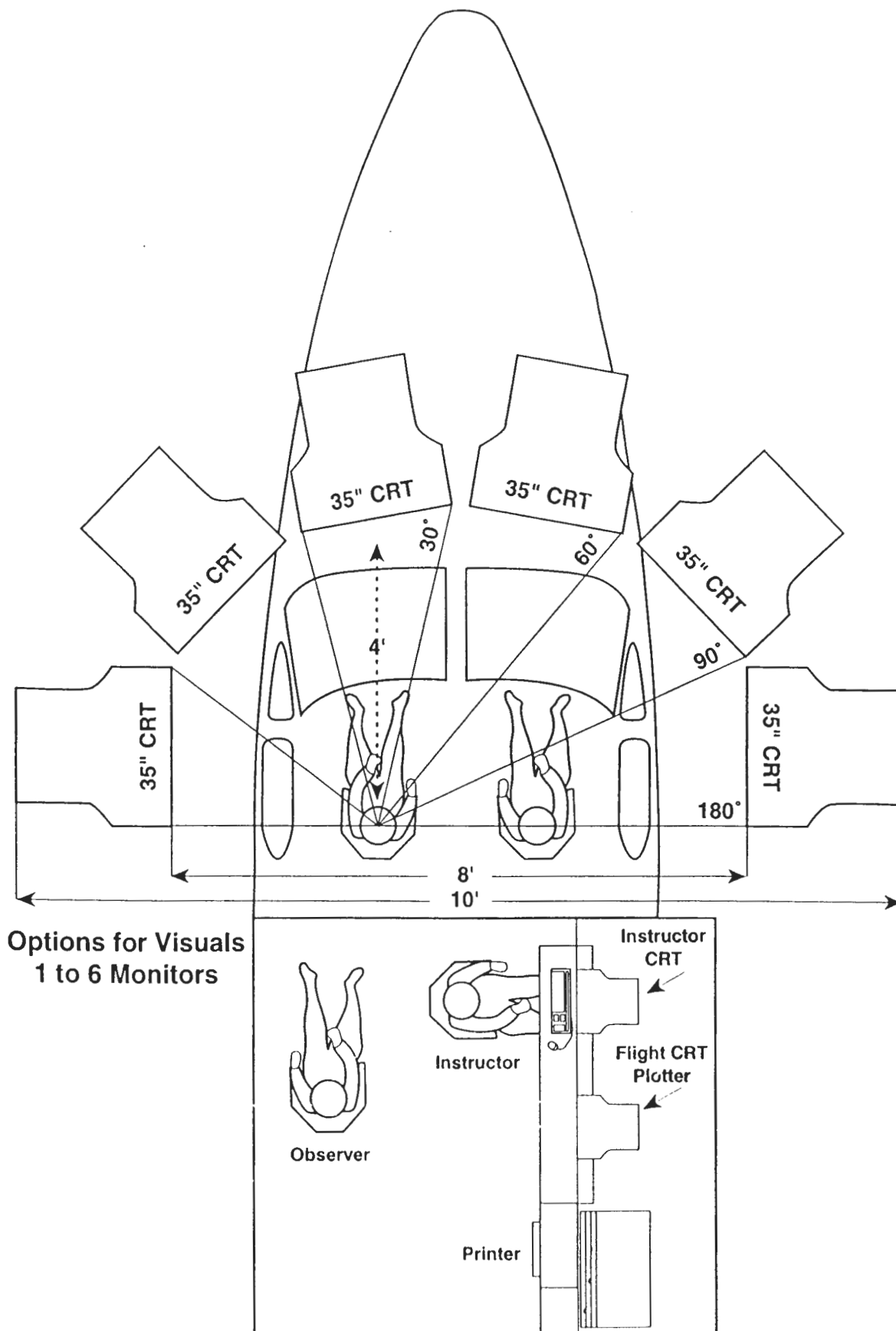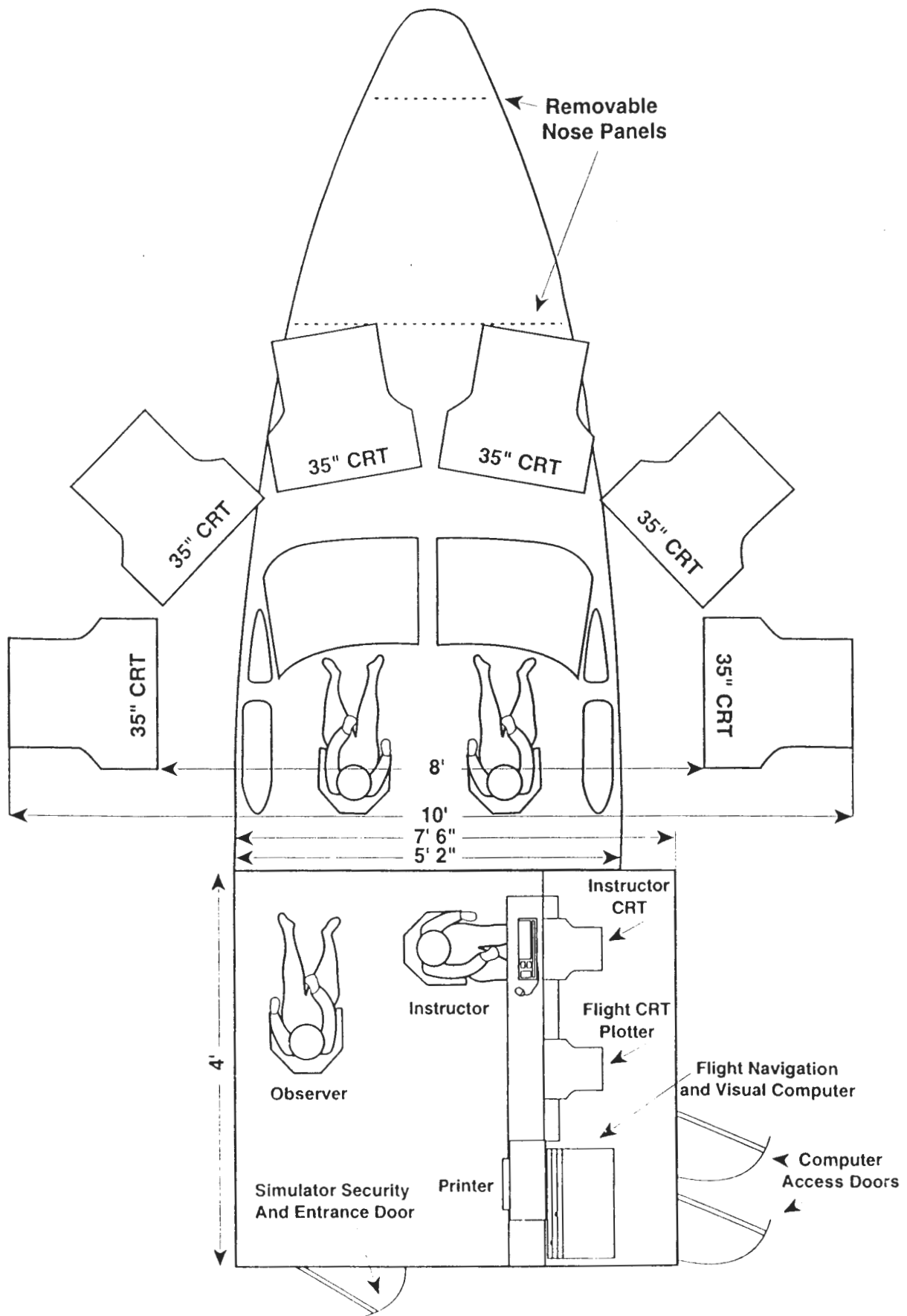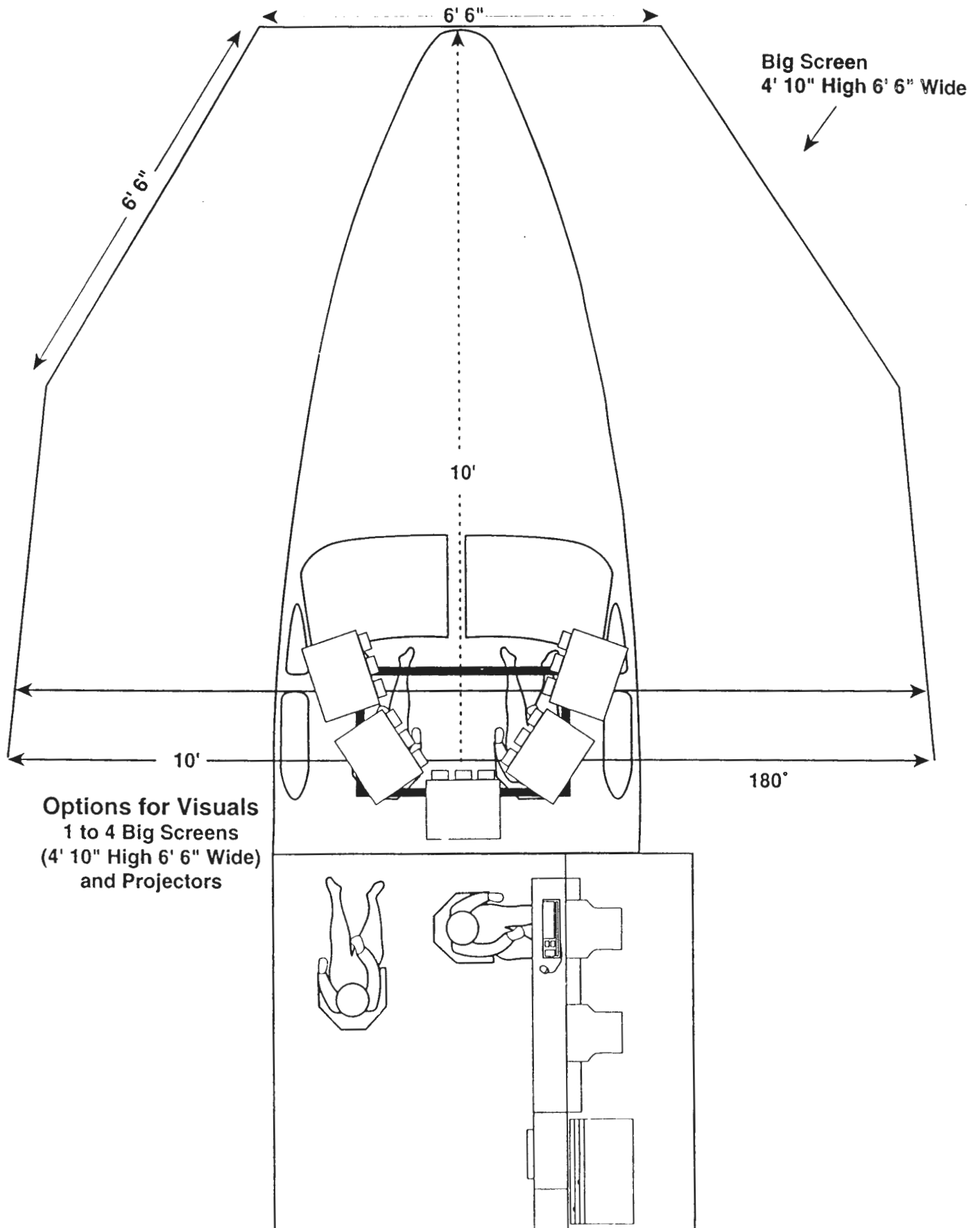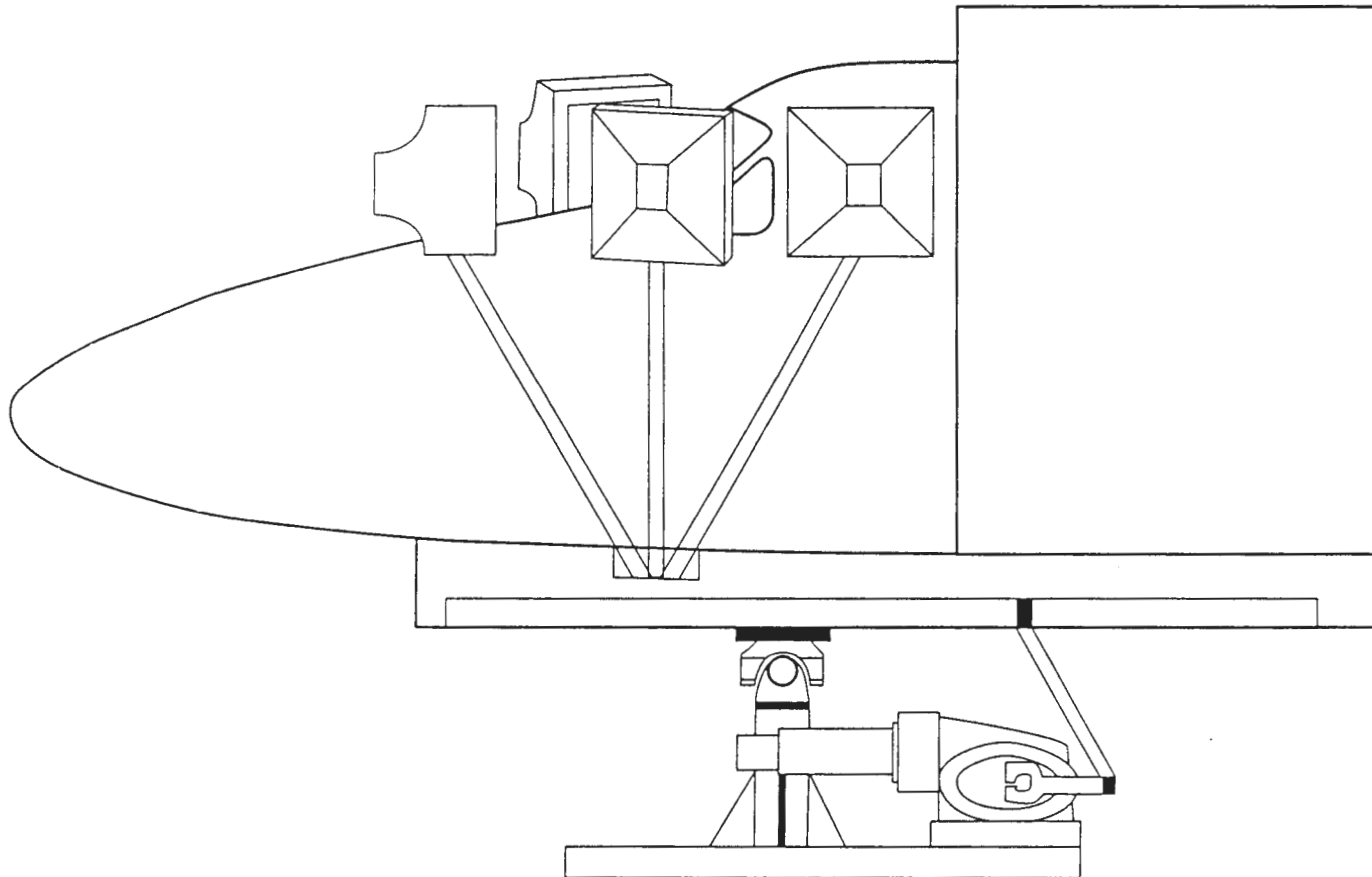
AST Phoenix Digital Series FTD Image System
Front View (Center Screen Removed)

AST Phoenix Digital Series FTD
Projectors and Big Screen Image System

6' 6"

6' 6"

Big Screen
4' 10" High 6' 6" Wide

10'

10'

180°

Options for Visuals
1 to 4 Big Screens
(4' 10" High 6' 6" Wide)
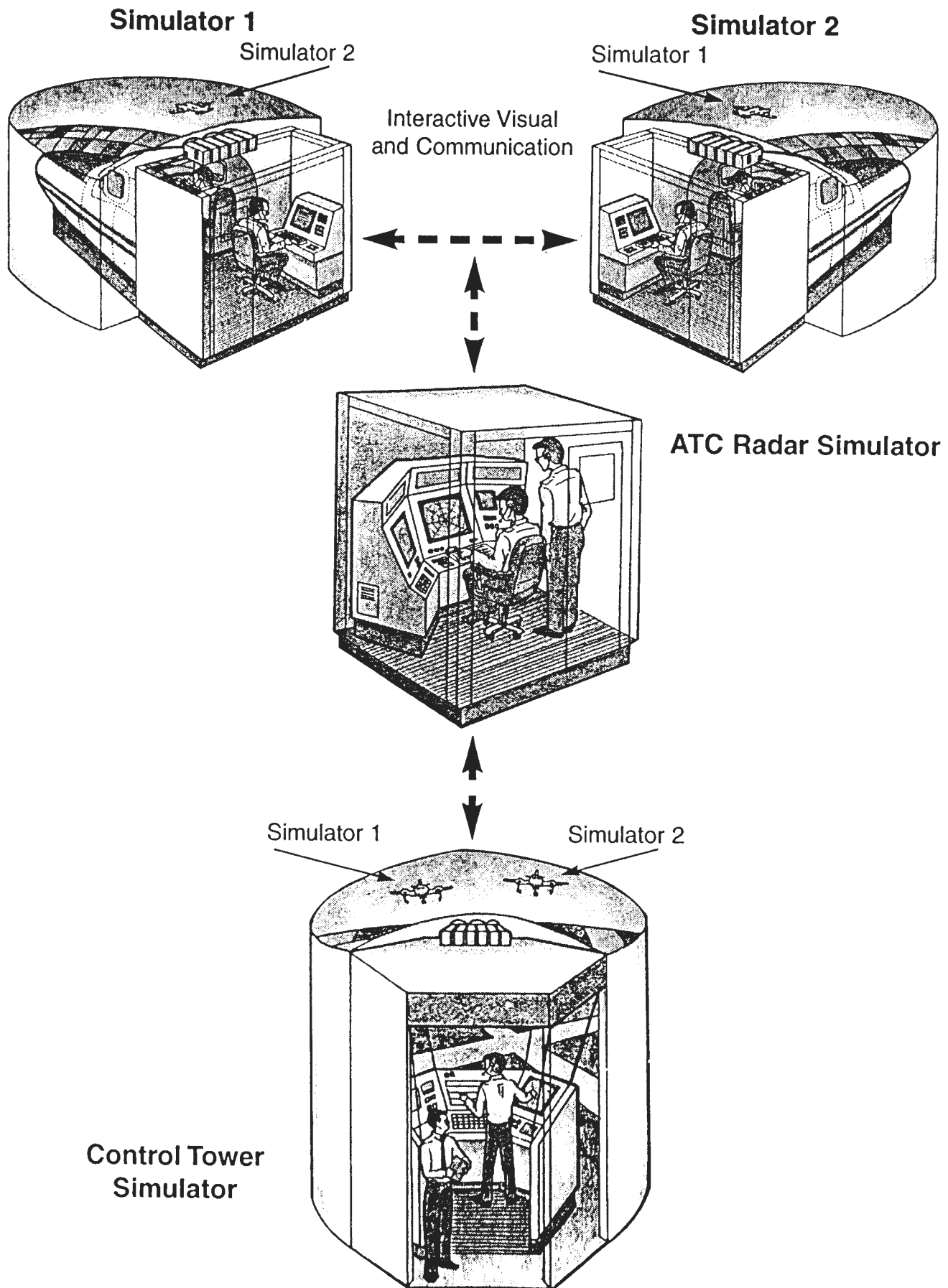and Projectors

AST Phoenix Series Digital FTD Motion System
(2 Dof or 3 Dof)

AST Phoenix Digital Series FTD Image System
Plan With Projector Support

Each Screen = 4'10"High 6'6"Wide

Proj. Angle

Proj. 4

Proj. 5

ERP

Horiz. Fov
180°

Proj. 2

Proj. 3

Proj. 1
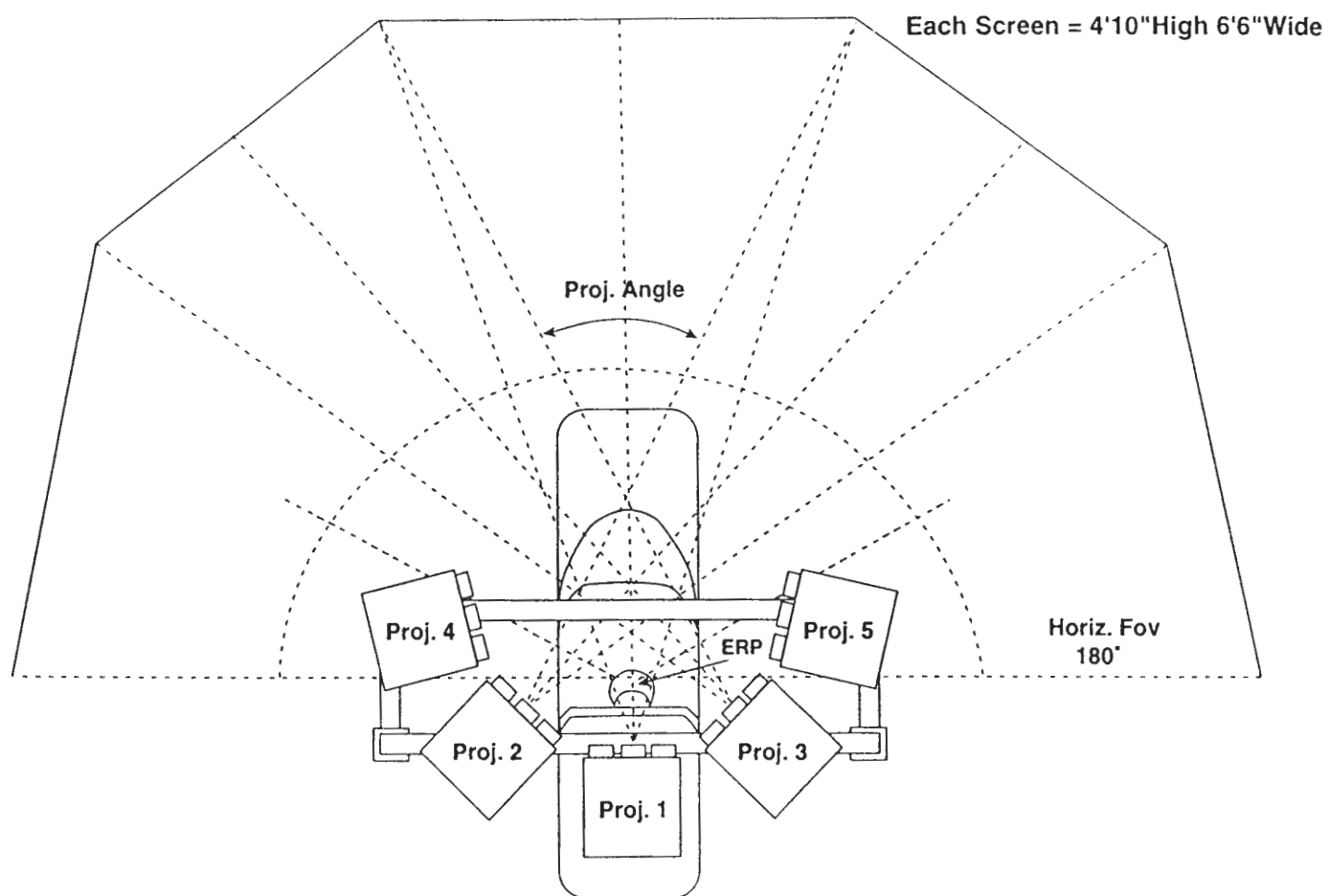
AST Phoenix Series FTD with Embedded Interactive Network Communication and Visual Simulation

Simulator 1
Simulator 2

Simulator 2
Simulator 1

Interactive Visual
and Communication

ATC Radar Simulator

Simulator 1

Simulator 2

Control Tower Simulator

AST Phoenix Digital Series FTD

MAIN COMPUTER SYSTEM

BASIC
EQUATIONS
OF
MOTION

A/C SYSTEMS MODEL

CONTROLS MODEL

PROPULSION MODEL

GROUND REACTION MODEL

AERO MODEL

C_L

C_D

EXISTING MODULES

NAVIGATION

COMMUNICATION

AIR TRAFFIC CONTROL

INTERFACE

INSTRUCTOR

CONTROL LOADER

MECHANICAL
1/0 SYSTEMS

VISUAL
SYSTEMS

INSTRUMENTS